**Listing of Claims:** 

This listing of claims will replace all prior versions, and listing, of claims in the

application.

1. (Previously Presented - Allowed) A self-pointing antenna comprising:

an antenna comprising a reflector, a feed, an elongated boom arm coupled to said

reflector and supporting said feed, and a pair of support struts coupled between

said reflector and said boom arm; and

a single actuator operatively coupled with said support struts for permitting movement of

said support struts for adjusting the position of said feed relative to said reflector

so as to selectively adjust either/or both of the beam elevation and azimuth of a

main beam axis of said antenna.

2. (Original - Allowed) The antenna of claim 1 wherein said actuator is mounted to said

boom arm and comprises a two-axis actuator.

3. (Original - Allowed) The antenna of claim 2 wherein said actuator is mounted to a top

side of said boom arm.

4. (Original - Allowed) The antenna of claim 2 wherein said actuator is mounted to a bottom

side of said boom arm.

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5. (Original - Allowed) The antenna of claim 2 wherein said actuator comprises an

automotive mirror-glass actuator.

6. (Original - Allowed) The antenna of claim 1 wherein each of said support struts

comprises an elongated ligature and said actuator comprises a mechanism for adjusting the

effective length of one or both of said ligatures.

7. (Original - Allowed) The antenna of claim 6 wherein said actuator is mounted to said

boom arm.

8. (Original - Allowed) The antenna of claim 6 wherein said actuator is mounted to said

reflector.

9. (Cancelled)

10. (Previously Presented - Allowed) In an antenna structure, a method of self-directing a

main beam axis of said antenna structure, said method comprising:

supporting a feed on an elongated boom arm coupled to said reflector;

supporting said boom arm by a pair of support struts extending between said reflector and

said boom arm; and

adjusting an effective length of one or both of said support struts by providing a single

actuator to thereby adjust the position of said feed relative to said reflectors so as

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to selectively adjust either/or both of a beam elevation and beam azimuth of the main beam axis of said antenna.

- 11. (Previously Presented Allowed) The method of claim 10 wherein said adjusting comprises mounting said actuator to said boom arm and support struts.
- 12. (Original Allowed) The method of claim 11 wherein said actuator is mounted to a top side of said boom arm.
- 13. (Original Allowed) The method of claim 11 wherein said actuator is mounted to a bottom side of said boom arm.
- 14. (Cancelled)
- 15. (Currently Amended) A self-pointing antenna comprising:
  means for supporting a feed on an elongated boom arm coupled to <u>a said</u> reflector;
  means extending between said reflector and said boom arm for supporting said boom
  arm; and
  - means for adjusting an effective length of said boom arm supporting means to thereby adjust the position of said feed relative to said reflectors so as to selectively adjust either/or both of a beam elevation and beam azimuth of the main beam axis of said antenna, said means for adjusting comprising a single actuator.

16. (Cancelled)

17. (Previously Presented) The antenna of claim 15 wherein said actuator is mounted to a top

side of said boom arm.

18. (Previously Presented) The antenna of claim 15 wherein said actuator is mounted to a

bottom side of said boom arm.

19. (Previously Presented) The antenna of claim 15 wherein said actuator comprises an

automotive mirror-glass actuator.

20. (Currently Amended) The antenna of claim 15 wherein each of said boom-arms

supporting means for supporting said boom arm comprises an elongated ligature.

21. (Original) The antenna of claim 20 wherein said actuator is mounted to said boom arm.

22. (Original) The antenna of claim 20 wherein said actuator is mounted to said reflector.

23. (Cancelled)

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24. (Previously Presented - Allowed) A self-pointing antenna comprising:

an antenna comprising a reflector, a feed, an elongated boom arm coupled to said

reflector and supporting said feed, and a pair of support struts coupled between

said reflector and said boom arm; and

a single actuator placed in a single location operatively coupled with said support struts

for permitting movement of said support struts and/or said boom arm for adjusting

the position of said feed relative to said reflector so as to selectively adjust

either/or both of the beam elevation and azimuth of a main beam axis of said

antenna.

25. (Original - Allowed) The antenna of claim 24 wherein said actuator connects said boom

arm to said support struts and by rotation of the actuator causes the angle between the struts and

boom arm to be adjusted.

26. (Original - Allowed) The antenna of claim 25 wherein said actuator is mounted to said

boom arm and comprises a two-axis actuator.

27. (Original - Allowed) The antenna of claim 26 wherein said actuator is mounted to a top

side of said boom arm.

28. (Original - Allowed) The antenna of claim 27 wherein said actuator is mounted to a

bottom side of said boom arm.

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- 29. (Original Allowed) The antenna of claim 26 wherein said actuator comprises an automotive actuator.
- 30. (Original Allowed) The antenna of claim 24 wherein each of said support struts comprises an elongated ligature and said actuator comprises a mechanism for adjusting the effective length of one or both of said ligatures.
- 31. (Original Allowed) The antenna of claim 30 wherein said actuator is mounted to said boom arm.
- 32. (Original Allowed) The antenna of claim 30 wherein said actuator is mounted to said reflector.
- 33. (Cancelled)
- 34. (Previously Presented) A self-pointing antenna comprising:
  - a reflector, one of a feed and a sub-reflector, and a plurality of support struts coupled between said reflector and said one of a feed and a sub-reflector and supporting said one of a feed and a sub-reflector; and
  - a single actuator for adjusting the position of said one of a feed and a sub-reflector relative to said reflector so as to selectively adjust either/or both of the beam elevation and azimuth of a main beam axis of said antenna.

35. (Original) The antenna of claim 34 wherein said actuator is mounted to said one of a feed

and a sub-reflector and comprises a two-axis actuator.

36. (Original) The antenna of claim 34 wherein said actuator is mounted to said one of a feed

and a sub-reflector.

37. (Original) The antenna of claim 34 wherein said actuator comprises a two-axis motorized

carriage.

38. (Original) The antenna of claim 36 wherein said actuator comprises a two-axis motorized

carriage.

39. (Original) The antenna of claim 34 wherein said actuator comprises a pair of orthogonally

acting mechanisms, each comprising a lead screw and at least one guide rail and a motor attached

to said lead screw.

40. (Original) The antenna of claim 39 wherein said actuator is mounted to said one of a feed

and a sub-reflector.

41. (Cancelled)

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42. (Original) The antenna of claim 34 and further including a readout device operatively

coupled to said actuator to allow closed loop control of the position of said sub-reflector.

43. (Original) The antenna of claim 39 and further including a readout device operatively

coupled to said actuator to allow closed loop control of the position of said sub-reflector.

44. (Previously Presented) In an antenna structure having a reflector and one of a feed and a

sub-reflector, a method of self-directing a main beam axis of said antenna structure, said method

comprising:

supporting a sub-reflector by a plurality of support struts extending between said reflector

and said sub-reflector; and

adjusting the position of said one of a feed and a sub-reflector relative to said reflector so

as to selectively adjust either/or both of a beam elevation and beam azimuth of the

main beam axis of said antenna, wherein said adjusting comprises mounting a

single actuator to said one of a feed and a sub-reflector and said support struts.

45-46. (Cancelled)

47. (Previously Presented) A self-pointing antenna comprising:

a reflector and one of a feed and a sub-reflector

means for supporting said one of said feed and said sub-reflector operatively coupled to

said reflector; and

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means for adjusting the position of said one of a feed and a sub-reflector relative to said

reflector so as to selectively adjust either/or both of a beam elevation and beam

azimuth of the main beam axis of said antenna, said adjusting means comprising a

single actuator.

48. (Cancelled)

49. (Original) The antenna of claim 48 wherein said actuator is mounted to said one of a feed

and a sub-reflector.

50. (Original) The antenna of claim 48 wherein said actuator comprises a two-axis motorized

carriage.

51. (Original) The antenna of claim 49 wherein said actuator comprises a two-axis motorized

carriage.

52. (Original) The antenna of claim 51 wherein said actuator comprises a pair of orthogonally

acting mechanisms, each comprising a lead screw and at least one guide rail and a motor attached

to said lead screw.

53. (Original) The antenna of claim 52 wherein said actuator is mounted to said sub-reflector.

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54. (Original) The antenna of claim 51 and further including a readout device operatively coupled to said actuator to allow closed loop control of the position of said one of a feed and a sub-reflector.

55. (Original) The antenna of claim 52 and further including a readout device operatively coupled to said actuator to allow closed loop control of the position of said one of a feed and a sub-reflector.

56. (Cancelled)